

| Ref # | Hits  | Search Query  | DBs               | Default Operator | Plurals | Time Stamp       |
|-------|-------|---|-------------------|------------------|---------|------------------|
| L1    | 22381 | fcc or (catalytic adj cracking) or (catalytically adj crack\$2)                                   | US-PGPUB; USPAT   | OR               | ON      | 2005/01/11 11:09 |
| L2    | 5948  | (fractionation adj column) or fractionator  | US-PGPUB; USPAT   | OR               | ON      | 2005/01/11 11:09 |
| L3    | 1610  | 1 and 2   | US-PGPUB; USPAT   | OR               | ON      | 2005/01/11 10:57 |
| L4    | 1167  | (catalytic adj distillation) or (reactive adj distillation)                                       | US-PGPUB; USPAT   | OR               | ON      | 2005/01/11 11:10 |
| L5    | 108   | 3 and 4   | US-PGPUB; USPAT   | OR               | ON      | 2005/01/11 10:57 |
| L6    | 14042 | hydrodesulfuri\$6 or desulfuri\$6 or hydrodesulphuri\$6 or desulphuri\$6                          | US-PGPUB; USPAT   | OR               | ON      | 2005/01/11 11:12 |
| L7    | 58    | 5 and 6   | US-PGPUB; USPAT   | OR               | ON      | 2005/01/11 11:07 |
| L8    | 23070 | naphtha   | US-PGPUB; USPAT   | OR               | ON      | 2005/01/11 11:07 |
| L9    | 62    | 2 and 4 and 6 and 8   | US-PGPUB; USPAT   | OR               | ON      | 2005/01/11 11:07 |
| L10   | 5     | 9 not 7   | US-PGPUB; USPAT   | OR               | ON      | 2005/01/11 11:08 |
| L11   | 7557  | fcc or (catalytic adj cracking) or (catalytically adj crack\$2)                                   | USOCR             | OR               | ON      | 2005/01/11 11:10 |
| L12   | 5651  | (fractionation adj column) or fractionator  | USOCR             | OR               | ON      | 2005/01/11 11:10 |
| L13   | 17    | (catalytic adj distillation) or (reactive adj distillation)                                       | USOCR             | OR               | ON      | 2005/01/11 11:11 |
| L14   | 1     | 11 and 12 and 13  | USOCR             | OR               | ON      | 2005/01/11 11:10 |
| L15   | 6278  | fcc or (catalytic adj cracking) or (catalytically adj crack\$2)                                   | EPO; JPO; DERWENT | OR               | ON      | 2005/01/11 11:10 |
| L16   | 1360  | (fractionation adj column) or fractionator  | EPO; JPO; DERWENT | OR               | ON      | 2005/01/11 11:10 |
| L17   | 546   | (catalytic adj distillation) or (reactive adj distillation)                                       | EPO; JPO; DERWENT | OR               | ON      | 2005/01/11 11:11 |
| L18   | 0     | 15 and 16 and 17  | EPO; JPO; DERWENT | OR               | ON      | 2005/01/11 11:11 |
| L19   | 3     | 16 and 17   | EPO; JPO; DERWENT | OR               | ON      | 2005/01/11 11:11 |
| L20   | 1     | (hydrodesulfuri\$6 or desulfuri\$6 or hydrodesulphuri\$6 or desulphuri\$6) same (side adj column) | US-PGPUB; USPAT   | OR               | ON      | 2005/01/11 11:13 |
| L21   | 7     | ("5837130").URPN:   | USPAT             | OR               | ON      | 2005/01/11 11:13 |

|     |    |   |                        |    |     |                  |
|-----|----|---|------------------------|----|-----|------------------|
| L22 | 33 | ("3671603"   "3699036"   "3884984"   "4055483"   "4123502"   "4194964"   "4213847"   "4232177"   "4451607"   "4486297"   "4676887"   "4690806"   "4731229"   "4827076"   "4941968"   "4990242"   "5009770"   "5073236"   "5084259"   "5124027"   "5154817"   "5173173"   "5266546"   "5290427"   "5320742"   "5321163"   "5322615"   "5348641"   "5431888"   "5431890"   "5510568"   "5597476").PN. | US-PGPUB; USPAT; USOCR | OR | ON  | 2005/01/11 11:17 |
| L23 | 16 | ("2741582"   "3091586"   "3124526"   "3173858"   "3186935"   "3211641"   "3425810"   "3634535").PN.   | US-PGPUB; USPAT; USOCR | OR | ON  | 2005/01/11 11:26 |
| L24 | 38 | ("4194964").URPN.   | USPAT                  | OR | ON  | 2005/01/11 11:28 |
| L25 | 19 | ("3124526").URPN.   | USPAT                  | OR | ON  | 2005/01/11 11:34 |
| L26 | 5  | (("2608521") or ("2844517") or ("2897143") or ("2952626") or ("2958654")).PN.   | US-PGPUB; USPAT        | OR | OFF | 2005/01/11 11:34 |